

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 97 | (phas\$3 or shift\$3) same (mask or photomask or reticle) same (phase edge or phaseedge or chrome less or chromeless).ti,ab. | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 12:25 |
| L2 | 614 | (\$3PSM or mask or photomask or reticle) same (phase edge or phaseedge or chrome less or chromeless or Cr less) not 1 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2007/08/22 15:41 |
| L3 | 267 | 2 and intensity with (\$3PSM or mask or photomask or reticle) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2007/08/22 12:34 |
| L4 | 118 | 2 and (light or radiation or irradiat\$3 or ultraviolet or "UV" or "DUV" or "VUV") near5 intensity same (opaque or block\$3 or absorb\$3 or chromium or chrome or "Cr") same (\$3PSM or mask or photomask or reticle) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2007/08/22 12:39 |
| L5 | 8994 | 430/5.ccls. | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2007/08/22 12:39 |
| L6 | 296 | 216/12.ccls. not 5 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2007/08/22 12:40 |
| L7 | 1491 | 430/323.ccls. not 5 not 6 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2007/08/22 12:40 |
| L8 | 70 | 4 and (5 or 6 or 7) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2007/08/22 15:23 |
| L9 | 50 | 2 and intensity and (opaque or block\$3 or shield\$3 or absorb\$3 or chromium or chrome or "Cr") same (attenuat\$3 or partial\$2 near2 transparen\$3 or semitransparen\$3 or semi transparen\$3) same (\$3PSM or mask or photomask or reticle) and (5 or 6 or 7) not 8 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2007/08/22 15:33 |
| L10 | 2905 | (5 or 6 or 7) and (\$3PSM or (phas\$3 or shift\$3) near3 (mask or photomask or reticle)) not 1 not 8 not 9 | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | ADJ | ON | 2007/08/22 15:44 |

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| L11 | 191 | 10 and intensity same (opaque or block\$3 or shield\$3 or absorb\$3 or chromium or chrome or "Cr") same (attenuat\$3 or partial\$2 near2 transparen\$3 or semitransparen\$3 or semi transparen\$3) same (\$3PSM or mask or photomask or reticle) | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 16:48 |
| L12 | 30 | 11 and intensity same (opaque or block\$3 or shield\$3 or absorb\$3 or chromium or chrome or "Cr") same width | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 15:46 |
| L13 | 28 | 10 and (light near2 intensity) same (chromium or chrome or "Cr") same (attenuat\$3 or partial\$2 near2 transparen\$3 or semitransparen\$3 or semi transparen\$3 or partial\$2 translu\$6 or semitranslu\$6 or semi translu\$6) same (\$3PSM or mask or photomask or reticle) not 12 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 16:56 |
| L14 | 15 | 5 and (light near2 intensity) same (chromium or chrome or "Cr") same (attenuat\$3 or partial\$2 near2 transparen\$3 or semitransparen\$3 or semi transparen\$3 or partial\$2 translu\$6 or semitranslu\$6 or semi translu\$6) same (\$3PSM or mask or photomask or reticle) not 12 not 13 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 16:57 |
| L15 | 46 | 5 and (intensity) same (chromium or chrome or "Cr") same (attenuat\$3 or partial\$2 near2 transparen\$3 or semitransparen\$3 or semi transparen\$3 or partial\$2 translu\$6 or semitranslu\$6 or semi translu\$6) same (\$3PSM or mask or photomask or reticle) not 12 not 13 not 14 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 16:57 |
| L16 | 169 | ((phas\$3 or shift\$3) same (mask or photomask or reticle) or \$3PSM).ti,ab. and ((method or process) same etch\$3 same (trench\$3 or groov\$3 or recess\$3)).ti,ab. not 1 not 8 not 9 not 12 not 13 not 14 not 15 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 19:19 |
| L17 | 193 | ((phas\$3 or shift\$3) same (mask or photomask or reticle) or \$3PSM).ti,ab. and ((method or process) same etch\$3 same (step\$4)).ti,ab. not 1 not 8 not 9 not 12 not 13 not 14 not 15 not 16 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 19:21 |

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| L18 | 42 | 5 and (phas\$3 or shift\$3 or phaseedge or \$3PSM) same (etch\$3 and (trench\$3 or groov\$3 or recess\$3 or step\$4)).ti,ab. not 1 not 8 not 9 not 12 not 13 not 14 not 15 not 16 not 17 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 19:24 |
| L19 | 42 | 6 and (phase\$3 or shift\$3 or phaseedge or phase edge or chromeless or chrome less or Crless or Cr less or \$3PSM) not 1 not 8 not 9 not 12 not 13 not 14 not 15 not 16 not 17 not 18 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 19:26 |
| L20 | 274 | 5 and 430/323.ccls. and (phase\$3 or shift\$3 or phaseedge or phase edge or chromeless or chrome less or Crless or Cr less or \$3PSM) not 1 not 8 not 9 not 12 not 13 not 14 not 15 not 16 not 17 not 18 not 19 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 19:30 |
| L21 | 27 | 5 and (phase\$3 or shift\$3 or phaseedge or phase edge or chromeless or chrome less or Crless or Cr less or \$3PSM).ti,ab. and (linewidth or width) near3 (opaque or block\$3 or shield\$3 or absorb\$3 or binary or chrome or chromium or "Cr" or attenuat\$3 or partial\$2 near2 transparen\$3 or semitransparen\$3 or semi transparen\$3 or partial\$2 translu\$6 or semitranslu\$6 or semi translu\$6 or halftone or half tone).ti,ab. not 1 not 8 not 9 not 12 not 13 not 14 not 15 not 16 not 17 not 18 not 19 not 20 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 19:39 |
| L22 | 15 | 5 and (phase\$3 or shift\$3 or phaseedge or phase edge or chromeless or chrome less or Crless or Cr less or \$3PSM).ti,ab. and (size or dimension) near3 (opaque or block\$3 or shield\$3 or absorb\$3 or binary or chrome or chromium or "Cr" or attenuat\$3 or partial\$2 near2 transparen\$3 or semitransparen\$3 or semi transparen\$3 or partial\$2 translu\$6 or semitranslu\$6 or semi translu\$6 or halftone or half tone).ti,ab. not 1 not 8 not 9 not 12 not 13 not 14 not 15 not 16 not 17 not 18 not 19 not 20 not 21 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 19:42 |

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| L23 | 33 | (((phase\$3 or shift\$3) near2 (mask or photomask or reticle) or \$3PSM) same rim).ti,ab. not 1 not 8 not 9 not 12 not 13 not 14 not 15 not 16 not 17 not 18 not 19 not 20 not 21 not 22 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 19:45 |
| L24 | 10 | (Kang-Myung-Ah or Kang-MyungAh or Shin-In-Kyun or Shin-InKyun).in. not 1 not 8 not 9 not 12 not 13 not 14 not 15 not 16 not 17 not 18 not 19 not 20 not 21 not 22 not 23 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 19:50 |
| L25 | 8 | (Samsung).as. and (((phas\$3 or shift\$3) near5 (mask or photomask or reticle) near5 (phase edge or phaseedge or chrome less or chromeless)) or \$3PSM).ti,ab,clm. not 1 not 8 not 9 not 12 not 13 not 14 not 15 not 16 not 17 not 18 not 19 not 20 not 21 not 22 not 23 not 24 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 19:56 |
| L26 | 36 | (((phas\$3 or shift\$3 or phase edge or phaseedge or chrome less or chromeless or Crless or "Cr" less) near5 (mask or photomask or reticle) or \$3PSM) same (auxiliary or subwavelength or sub wavelength or subresolution or sub resolution or nonprint\$3 or non print\$3 or dummy) same (opaque or block\$3 or shield\$3 or absorb\$3 or chromium or chrome or "Cr") same intensity) not 1 not 8 not 9 not 12 not 13 not 14 not 15 not 16 not 17 not 18 not 19 not 20 not 21 not 22 not 23 not 24 not 25 | US-PGPUB; USPAT; EPO; JPO | ADJ | ON | 2007/08/22 20:06 |
| L27 | 12 | (((phas\$3 or shift\$3 or phase edge or phaseedge or chrome less or chromeless or Crless or "Cr" less) near5 (mask or photomask or reticle) or \$3PSM) and (auxiliary or subwavelength or sub wavelength or subresolution or sub resolution or nonprint\$3 or non print\$3 or dummy) and (opaque or block\$3 or shield\$3 or absorb\$3 or chromium or chrome or "Cr") and intensity). clm. not 1 not 8 not 9 not 12 not 13 not 14 not 15 not 16 not 17 not 18 not 19 not 20 not 21 not 22 not 23 not 24 not 25 not 26 | US-PGPUB; USPAT | ADJ | ON | 2007/08/22 20:07 |